

Converting Colors

$Y_{xy}(20.2281, 0.3581, 0.3823)$

Have a look what the booklet for
Yxy(20.2281, 0.3581, 0.3823)
contains.

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Color

Yxy(20.2281, 0.3581, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	857C5F
RGB	133, 124, 95
RGB Percent	52%, 49%, 37%
CMY	0.4784, 0.5137, 0.6274
CMYK	0.00, 0.07, 0.29, 0.48
HSL	46°, 17%, 45%
HSV	46°, 29%, 52%
XYZ	18.9476, 20.2281, 13.7358
YIQ	123.3850, 14.6730, -7.1110

Conversions

Conversions Part 2

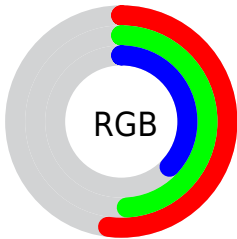
Format	Color
R_{YB}	107, 133, 95
Decimal	8748127
CIE _{Lab}	52.09, -1.42, 17.10
CIE _{LCh}	52, 17.157, 94.762
Yxy	20.2281, 0.3581, 0.3823
Android (android.graphics.Color)	4286938207 (0xFF857C5F)
YUV	123.3850, -13.9938, 8.4324
Hunter-Lab	44.9757, -3.5078, 13.3754

Details

The Yxy color **20.2281, 0.3581, 0.3823** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.0332, 0.2669, 0.2693**, and the grayscale version is **19.9858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6908, 0.3482, 0.3692**, and **7.0929, 0.3760, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **19.2294, 0.3757, 0.4013**, and if you desaturate by 10%, it is **21.2952, 0.3412, 0.3632**.

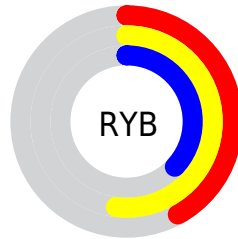
Distribution



Red (52%)

Green (49%)

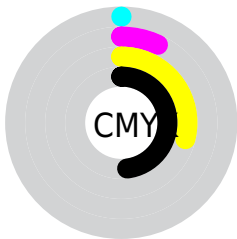
Blue (37%)



Red (42%)

Yellow (52%)

Blue (37%)

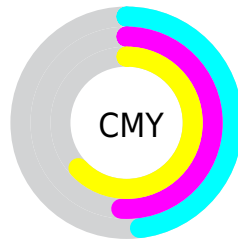


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (48%)



Cyan (48%)


Magenta (51%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2281, 0.3581, 0.3823 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 20.2281, 0.3581, 0.3823 by changing the saturation by 10% instead.


 20.2281, 0.3581,
0.3823


 20.2281, 0.3581,
0.3823


253.1473, 0.3325,
0.3520


 12.5610, 0.3656,
0.3913


 43.7993, 0.3480,
0.3703

 7.1269, 0.3761,
0.4039


 60.4721, 0.3444,
0.3661

 3.5416, 0.3913,
0.4225

 80.9156, 0.3415,
0.3626

 1.4206, 0.4364,
0.4757

 105.5142, 0.3391,
0.3598

 0.2318, 0.4446,
0.5554

134.6523, 0.3371,
0.3574

 0.0000, 0.0000,
0.0000

168.7142, 0.3353,

0.3553

208.0844, 0.3338,
0.3535

■ 20.2281, 0.3581,
0.3823

■ 20.2281, 0.3581,
0.3823

■ 19.2294, 0.3757,
0.4013

■ 21.2952, 0.3412,
0.3632

■ 18.2941, 0.3936,
0.4193

■ 22.4302, 0.3254,
0.3445

■ 17.4205, 0.4112,
0.4356

■ 23.6360, 0.3107,
0.3265

■ 16.6059, 0.4278,
0.4492

■ 24.9146, 0.2972,
0.3095

■ 15.8473, 0.4427,
0.4592

■ 26.2678, 0.2850,
0.2937

■ 15.1410, 0.4552,
0.4650

■ 27.6974, 0.2740,
0.2790

■ 14.4789, 0.4655,
0.4671

■ 29.2051, 0.2641,
0.2655

■ 14.3860, 0.4670,
0.4674

■ 30.7925, 0.2552,
0.2531

■ 32.4612, 0.2472,
0.2417

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.2281, 0.3742, 0.3656



20.2281, 0.3581, 0.3823



20.2281, 0.3302, 0.3845

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.2281, 0.3581, 0.3823



20.2281, 0.2559, 0.3121



20.2281, 0.3249, 0.2929

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.2281, 0.3581, 0.3823



14.0332, 0.2669, 0.2693

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.2281, 0.2930, 0.2794



20.2281, 0.3581, 0.3823



20.2281, 0.2546, 0.2889

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.2281, 0.3581, 0.3823



20.2281, 0.2716, 0.3421



20.2281, 0.2678, 0.2777



20.2281, 0.3547, 0.3149

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.2281, 0.3581, 0.3823



20.2281, 0.3089, 0.3764



20.2281, 0.2678, 0.2777



20.2281, 0.3140, 0.2872

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.2290, 0.3581, 0.3823



40.0283, 0.3263, 0.3456



14.1846, 0.3574, 0.3111



8.9589, 0.3283, 0.3480



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.2290, 0.3581, 0.3823



35.0959, 0.3690, 0.3941



21.8527, 0.3424, 0.4001



5.2409, 0.3262, 0.3455



13.7137, 0.4669, 0.4675



0.0587, 0.4410, 0.4880

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.0332, 0.2669, 0.2693



22.1891, 0.2558, 0.2539



12.8550, 0.2770, 0.2526



4.7107, 0.2992, 0.3120



2.5846, 0.1585, 0.0907



0.0187, 0.1785, 0.1627

Previews

White Background



This preview shows how the Yxy color 20.2281, 0.3581, 0.3823 looks on a white background.

Color Contrast Check

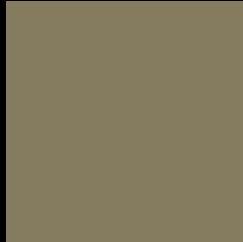
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.2281, 0.3581, 0.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

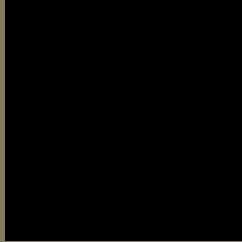
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

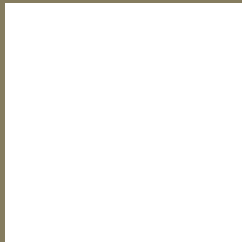
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.2281, 0.3581, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 20.2281, 0.3581, 0.3823.



This preview shows how white text looks on a background with the Yxy color 20.2281, 0.3581, 0.3823.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.2281, 0.3581, 0.3823

Protanopia

20.2281, 0.3581, 0.3823

Deuteranopia

20.1492, 0.3767, 0.3691



Tritanopia

20.0970, 0.3236, 0.3115

Trichromacy



Original Color

20.2281, 0.3581, 0.3823

Protanomaly

20.2281, 0.3581, 0.3823

Deuteranomaly

20.1820, 0.3690, 0.3736

Tritanomaly

20.1933, 0.3364, 0.3362

Monochromacy



Original Color

20.2281, 0.3581, 0.3823

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8702, 0.3292, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2281, 0.3581, 0.3823 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(133, 124, 95)` looks like.

```
.text, #text, p{  
    color:rgb(133, 124, 95)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(133, 124, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 124, 95) }
```

Border

The CSS property to change the border of an element to Yxy 20.2281, 0.3581, 0.3823 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 124, 95) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(133, 124, 95) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(133, 124, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 124, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 124, 95);  
box-shadow:4px 4px 4px 4px rgb(133, 124,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2281, 0.3581, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 124, 95) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(133,  
124, 95) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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